

Appendix I: Alignment of SEQ ID NO: 17 (CRF, 10/20/2009) and I48378

Appendix B<!--StartFragment-->RESULT 1
I48378

hairless protein - mouse

C;Species: Mus musculus (house mouse)

C;Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 09-Jul-2004

C;Accession: I48378

R;Cachon-Gonzalez, M.B.; Fenner, S.; Coffin, J.M.; Moran, C.; Best, S.; Stoye, J.P.
Proc. Natl. Acad. Sci. U.S.A. 91, 7717-7721, 1994

A;Title: Structure and expression of the hairless gene of mice.

A;Reference number: I48378; MUID:94329587; PMID:8052649

A;Accession: I48378

A;Status: preliminary; translated from GB/EMBL/DBJ

A;Molecule type: mRNA

A;Residues: 1-1182 <RES>

A;Cross-references: UNIPROT:Q61645; UNIPARC:UPI0000028C24; EMBL:Z32675; NID:g531706; P

Query Match 99.4%; Score 3682; DB 2; Length 1182;
Best Local Similarity 99.4%;
Matches 689; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy	1	VTQCQSCVQAAGEVGVLTGHSQKSRSPLEEKQLEEDSSATSEEGGGPGPEASLNKGL	60
Db	490	VTQCQSCVQAAGEVGVLTGHSQKSRSPLEEKQLEEDSSATSEEGGGPGPEASLNKGL	549
Qy	61	AKHLLSGLGDRLCRLLRKEREALAWAQREGQGPAMTEDSPGIPHCCSRCHHGLFNTHWRC	120
Db	550	AKHLLSGLGDRLCRLLRKEREALAWAQREGQGPAMTEDSPGIPHCCSRCHHGLFNTHWRC	609
Qy	121	SHCSHRLCVACGRIAGAGKNREKTGSQEQTDDCAQEAGHAACSLILTQFVSSQALAEIS	180
Db	610	SHCSHRLCVACGRIAGAGKNREKTGSQEQTDDCAQEAGHAACSLILTQFVSSQALAEIS	669
Qy	181	TVMHQAWAKFDIRGHCFQVQDARVWAPGDGGQOQKEPTEKTPPTQPSCNGDSNRTKDIKE	240
Db	670	TVMHQAWAKFDIRGHCFQVQDARVWAPGDGGQOQKEPTEKTPPTQPSCNGDSNRTKDIKE	729
Qy	241	ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCGLGHDRIHMAFAPVTPALPSDDRIT	300
Db	730	ETPDSTESPAEDGAGRSPLPCPSLCELLASTAVKLCGLGHDRIHMAFAPVTPALPSDDRIT	789
Qy	301	NILDSIIAQVVERKIQEKALGPGLRAGSGLRKGLSLPLSPVTRLSPPGALLWLQEPK	360
Db	790	NILDSIIAQVVERKIQEKALGPGLRAGSGLRKGLSLPLSPVTRLSPPGALLWLQEPK	849
Qy	361	HGFHLFQEHWRQGPVLSGQIKTLRLSLWGMEALGTLGGQVQSLTALGPPQPTNLDSTA	420
Db	850	HGFHLFQEHWRQGPVLSGQIKTLRLSLWGMEALGTLGGQVQSLTALGPPQPTNLDSTA	909
Qy	421	FWEGFSPETRPKLDEGSVLLHRTLGDKDASRVQNLVSSLPLPEYCAHQKLNLSYLP	480
Db	910	FWEGFSPETRPKLDEGSVLLHRTLGDKDASRVQNLVSSLPLPEYCAHQKLNLSYLP	969
Qy	481	LGLTLHLEPQLWAAYGVNSHRGHLGTKNLCVEVSDLSILVHAEALPPWYRAQKDFLS	540
Db	970	LGLTLHLEPQLWAAYGVNSHRGHLGTKNLCVEVSDLSILVHAEALPPWYRAQKDFLS	1029
Qy	541	GLDGEGLWSPGSQTSTVWHVFRAQDAQRIRRFQMVCAGAGTLEPGAPGSCYLDAGLRR	600
Db	1030	GLDGEGLWSPGSQTSTVWHVFRAQDAQRIRRFQMVCAGAGTLEPGAPGSCYLDAGLRR	1089
Qy	601	RLREEWGVSCWTLQAPGEAVLPAGAPHQVQGLVSTISVTIQHFLSPETSALSAQLCHQG	660

Db 1090 RLREEWGVSCWTLQAPGEAVLVPAGAPHQVQGLVSTISVTQHFLSPETSALSAQLYHQG 1149

Qy 661 ASLPPDHRMLYAQMDRAVFQAVKAAVGALQEAK 693

Db 1150 ASLPPDHRMLYAQMDRAVFQAVKAAVGALQEAK 1182

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